Harmonica

Kit contains:

- 2 Jumbo craft sticks
- 4 Straw pieces
- 3 Rubber bands

To do the extension activity, you will need: a ruler, a pencil, and a music tuner app (available for free download on your mobile device).

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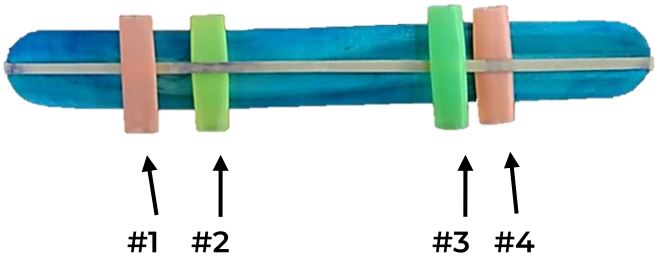
INSTRUCTIONS

Step 1. Put a rubber band lengthwise around one of the craft sticks.

Step 2. Arrange the four straw pieces perpendicular to the rubber band. Alternate over-under-over-under the band as shown. Leave about 1.5 inches free at each end.



Step 3. Sandwich the second craft stick on top of the straws. Rubber band the ends together. (It helps to work with a buddy.)

To play your harmonica: Hold onto the ends and blow through the area between the craft sticks. It will make a noise!

Activity: Tune Your Harmonica

If you move the middle straws (#2 and 3) closer together and farther apart, the sound changes. Time to experiment!

- If you move the straws closer together, does the sound get higher or lower?
- If you move the straws farther apart, does the sound get higher or lower?

Open a music tuner app on your mobile device. Now play your harmonica. Move the middle straws to create different notes, then measure the distance between the straws. Record your data in the table below.

Note	Distance Between Straws (cm)